

## INTERNATIONAL SEARCH REPORT

International application No.

PCT/JP2004/009663

A. CLASSIFICATION OF SUBJECT MATTER  
Int.Cl.<sup>7</sup> H04L12/56

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
Int.Cl.<sup>7</sup> H04L12/56

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
Jitsuyo Shinan Koho (Y1, Y2) 1926-1996 Toroku Jitsuyo Shinan Koho (U) 1994-2004  
Kokai Jitsuyo Shinan Koho (U) 1971-2004 Jitsuyo Shinan Toroku Koho (Y2) 1996-2004

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	JP 2004-172932 A (Hitachi, Ltd.); 17 June, 2004 (17.06.04), Par. Nos. [0001] to [0006], [0012], [0035]; Figs. 4, 6 & US 2004/0098448 A1 & CN 1503538 A	1, 2, 11, 13-15, 17, 18
P, X	JP 2003-309601 A (Hitachi, Ltd.), 31 October, 2003 (31.10.03), Figs. 1, 3 (Family: none)	1, 2, 11, 13-15, 17, 18
A	JP 2002-94562 A (NEC Corp.), 29 March, 2002 (29.03.02), Abstract; Figs. 1, 4 (Family: none)	1-20

☒ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

\* Special categories of cited documents:

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier application or patent but published on or after the international filing date

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"&" document member of the same patent family

Date of the actual completion of the international search  
05 October, 2004 (05.10.04)

Date of mailing of the international search report  
26 October, 2004 (26.10.04)

Name and mailing address of the ISA/  
Japanese Patent Office

Authorized officer

Facsimile No.

Telephone No.

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## C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	JP 2002-374276 A (The Furukawa Electric Co., Ltd.), 26 December, 2002 (26.12.02), Abstract & US 2002/0194367 A1	1-20
A	JP 11-127199 A (Fujitsu Ltd.), 11 May, 1999 (11.05.99), Abstract (Family: none)	1-20
A	JP 2002-368751 A (Matsushita Electric Industrial Co., Ltd.), 20 December, 2002 (20.12.02), Abstract (Family: none)	1-20
E,A	JP 2004-242063 A (Fujitsu Ltd.), 26 August, 2004 (26.08.04), Par. No. [0041] & US 2004/0158872 A1	1-20
E,A	JP 2004-253976 A (Nippon Telegraph And Telephone Corp.), 09 September, 2004 (09.09.04), Abstract (Family: none)	1-20